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Subject: Composition and Characteristics of Crude Oil at Romashkino

l. The composition of the crude oil is as follows:

•	Molecular weight percent	Weight percent
∞ ₂ (carbon dioxide)	0 • 23	0.05
CH ₄ (methane)	0.25	0.02
C2H6 (ethane)	1.15	0.17
C3H8 (propane)	4.14	0.89
1-C4H10 (1so-butane)	. 0.95	0.27
M-C4H10 (normal butane)	3,60	1.02
i=C ₅ H ₁₂ (iso-pentane)	2.16	0.76
n-C ₅ H ₁₂ (normal pentane)	3 .3 8	1.19
Residuals	76.04	88.74

22 The specific weight of the crude oil at 20 degrees Centigrade is 0.8736.

3. The viscosity of the dehydrated crude oil is as follows:

. Centi-Stoke

at 20 degrees	Centigrade	•	21.6
at 50 degrees	Centigrade		8.9

4. The specific weight of the ground water at 10 degrees Centigrade is 1.1771. Its mineralization amounts to 771.78 milligrams/equivalent at 100 grams water.

>	ao	the crude oil	minus 38 degrees C
	b.	Temperature of crude oil in winter	plus 10 degrees C
	C.	Temperature of crude oil in summer	plus 20 degrees C

6. The fex fraction composition of the crude oil is as follows:

Centigrade	Percent
at 100	11
100-150	12
150-200	11

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